
Subject: geane propagate((CbmTrackParH *TStart, CbmTrackParP *TEnd, Int_t PDG)

Posted by [asanchez](#) on Fri, 02 May 2008 10:00:40 GMT

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Hi to Geane experts,

I have a question concerning the function

Propagate(CbmTrackParH *TStart, CbmTrackParP *TEnd, Int_t PDG)

I would like to calculate the length of a track provided either by genfit or by lhetrack.

In genfit there is now the possibility to obtain the Length (from geane) of the track by using

```
prop = _geane->Propagate(&par,&result,_pdg); //211
```

```
double l=_geane->GetLengthAtPCA();
```

But i see that one should always be able to provide the pdg of the particle.

If one has already a fitted track, and has still access to the track hits(first or last hit in the track), is it possible to propagate to one volume(point, plane) by giving the track parameters and the position information, without giving the pdg code.

Thanks in advance

ALicia.